

CURRICULUM VITAE**Kristen K. Patton, MD****1. PERSONAL DATA**

Birthplace: (b) (6)

2. EDUCATION

1987-1991 B.A., University of Chicago, Chicago, IL
 1991-1995 M.D., Oregon Health Sciences University, Portland, OR

3. POSTGRADUATE TRAINING

1995-1998 Resident, Internal Medicine, Massachusetts General Hospital, Boston, MA
 1998-2000 Research Fellow, Cardiology, Massachusetts General Hospital, Seidman Lab (Brigham & Women's Hospital), Boston, MA
 1998-2002 Fellow, Cardiology, Massachusetts General Hospital and Brigham & Women's Hospital, Boston, MA
 2002-2004 Fellow, Clinical Cardiac Electrophysiology, Massachusetts General Hospital, Boston, MA

4. FACULTY POSITIONS HELD

2004-2010 Assistant Professor of Medicine, University of Washington School of Medicine, Department of Medicine, Division of Cardiology, Seattle, Washington
 2010-present Associate Professor of Medicine, University of Washington School of Medicine, Department of Medicine, Division of Cardiology, Seattle, Washington
 2011-2014 Associate Director, Clinical Cardiac Electrophysiology Fellowship, University of Washington School of Medicine, Department of Medicine, Division of Cardiology
 2014-present Director, Clinical Cardiac Electrophysiology Fellowship, University of Washington School of Medicine, Department of Medicine, Division of Cardiology

5. HOSPITAL POSITIONS HELD

2004-present Attending Physician, University of Washington Medical Center, Seattle, WA
 2004-present Associate Medical Staff, Harborview Medical Center, Seattle, WA
 2004-present Associate Medical Staff, Seattle Cancer Care Alliance, Seattle, WA

6. HONORS

1991 Dean's List, University of Chicago
 1989 Howard Hughes Undergraduate Summer Research Fellowship
 1990 Howard Hughes Undergraduate Summer Research Fellowship
 1992-1995 OHSU Student Senate Representative
 1993 OHSU Student Senate President
 1993 OHSU Medical School Class President
 1994 Alpha Omega Alpha
 2002 Partners Excellence in Action Award
 2003 Partners in Excellence Award (to Arrhythmia Service)
 2003 NASPE – Heart Rhythm Society Advanced Training Clinical Fellowship Award
 2010 American College of Cardiology Emerging Faculty
 2011-2012 University of Washington Teaching Scholar
 2014-2016 American College of Cardiology Washington Chapter Board of Directors

7. BOARD CERTIFICATION

1998, 2008 ABIM Certification in Internal Medicine
 2002, 2012 ABIM Certification in Cardiovascular Disease
 2005, 2014 ABIM Certification in Clinical Cardiac Electrophysiology

8. LICENSURES TO PRACTICE

1995-2005 Massachusetts State (#213388) (expired)
 2004 Washington State (#MD000043617)

9. PROFESSIONAL ORGANIZATIONS

1998-2006 Member, Massachusetts Medical Society
 2004-present Member, American Heart Association
 2004-present Member, Heart Rhythm Society
 2010-present Fellow, American College of Cardiology

10. TEACHING RESPONSIBILITIES

2004-present Attending Physician, Electrophysiology Consultation Service. Supervision and teaching of electrophysiology fellows for consultation and procedural skills. Supervision and teaching of cardiology fellows.
 2004-2005 Attending Physician, Cardiology A Inpatient Service. Supervision and teaching of internal medicine residents and cardiology fellows.
 2004-present Faculty, Electrophysiology Curriculum Conference
 2004-present Faculty, General Cardiology Core Clinical Sessions
 2004-2006 Co-Director, Electrocardiogram Course for Cardiology Fellows
 2005-present Attending Physician, Cardiology Consultation Service. Supervision and teaching of medical students, medicine residents, and cardiology fellows.
 2008-present Faculty, Continuing Medical Education Sessions
 2011-present Faculty, "How to teach procedures", a simulation course for the Medicine Residency Clinician-Educator Track.
 2012-present Director, Electrophysiology Curriculum Conference Series
 2014-present Attending Physician, Electrophysiology Clinic. Supervision and teaching of cardiology fellows on electrophysiology rotation.

11. EDITORIAL RESPONSIBILITIES

Ad hoc editorial reviewer: Journal of the American College of Cardiology, Journal of Cardiovascular Electrophysiology, Heart Rhythm Journal, JACC Electrophysiology, Pacing and Clinical Electrophysiology, Circulation, Expert Opinion in Therapeutic Targets, British Medical Journal, Journal of the American Society of Echocardiography, Journal of Cardiac Failure, Journal of the American Heart Association.

12. SPECIAL NATIONAL RESPONSIBILITIES

United States Food and Drug Administration Circulatory System Devices Panel of the Medical Devices Advisory Committee

2013-present Invited Panel Consultant

American College of Cardiology

2010-2012 Faculty, American College of Cardiology, Self-Assessment Program 8
 2012-2014 Faculty and Curriculum Development, American College of Cardiology Foundation Curriculum Development: the Evolution of Anticoagulation Management
 2012-2014 Member, American College of Cardiology Question Writing Group
 2013-2015 Member, American College of Cardiology Clinical Topic Collection and Taxonomy Group
 2013-present Abstract Reviewer for ACC Scientific Sessions.
 2014- 2017 Member, American College of Cardiology, Electrophysiology Section Leadership Council
 2014 Expert Advisor for ACC educational needs assessment for ECG and Exercise Testing, Arrhythmias and Clinical EP learning pathway
 2014-present Chair, Education Workgroup, Electrophysiology Section Leadership Council

2014-2016 Board of Directors, American College of Cardiology Washington Chapter
 2015-present Member, Electrophysiology Section Needs Assessment Workgroup

American Board of Internal Medicine

2004-2012 American Board of Internal Medicine relevance reviewer, test questions, American Board of Internal Medicine, clinical cardiac electrophysiology
 2014-present Member, American Board of Internal Medicine Cardiovascular Specialty Board (one of 12 US cardiologists selected to advise the ABIM executive council on specialty board certification issues)

American Heart Association

2007-present Abstract Reviewer for Scientific Sessions
 2009-present Member, American Heart Association Council of Clinical Cardiology Electrocardiogram and Arrhythmias Committee
 2014- Chair, American Heart Association Scientific Statement Writing Group, “Early Repolarization”
 2014-2016 Vice-Chair, American Heart Association Council of Clinical Cardiology Electrocardiogram and Arrhythmias Committee
 2016-2018 Chair (planned), American Heart Association Council of Clinical Cardiology Electrocardiogram and Arrhythmias Committee
 2015 Co-chair, AHA Arrhythmia Research Summit, November 9, 2015
 2015-present AHA Representative to the American Stroke Association *Cryptogenic Stroke Initiative Advisory Committee*

Heart Rhythm Society

2007-present Scientific Sessions Abstract Reviewer
 2014-2016 Heart Rhythm Society, Scientific and Clinical Documents Committee Member

American College of Physicians

2007-2009 Cardiovascular Committee for the 15th edition of Medical Knowledge Self-Assessment Program
 2008-2014 Faculty, American College of Physicians Seattle Internal Medicine Board Review Course

Cardiovascular Health Study

2007-present Clinical Cardiology Working Group Member
 2007-present Vascular Disease of the Brain Working Group
 2011-present Sudden Cardiac Death Epidemiology Working Group Member

Catheter Ablation versus Antiarrhythmic Drug Therapy for Atrial Fibrillation Trial

2013-present CABANA ECG Core Lab Committee

Atherosclerosis Risk in Communities Study

2014-2015 Sudden Death Adjudication Group

13. SPECIAL LOCAL RESPONSIBILITIES

Medical School:

1991-1993 Curriculum Review Committee, Dean Appointee, OHSU
 1991-1995 Student Faculty Committee, Dean Appointee, OHSU

Residency:

1995-1998 Curriculum Review Committee, Member, MGH

Fellowship:

2001-2002 Executive Committee on Teaching & Medicine Elected Member

2001-2002 Partners Education Committee Appointee
 2002-2003 GME Work Hours Committee Appointee

University of Washington:

2004-2005 Member, Cardiology Division Search Committee, Adult Congenital Heart Disease Director Position
 2004-2006 Member, Work group to Devise Procedural Intake Forms for Cardiac Catheterization and Electrophysiology
 2004 Member, Regional Heart Center Database Selection Committee
 2004-2013 Member, Cardiology Fellowship Interview and Selection Committee
 2006-2014 Member, Internal Medicine Residency Program Medical Student Applicant Interviewer
 2006-2007 Member, Cardiology Division Search committee, Electrophysiology
 2007-2009 Member, Regional Heart Center Database Implementation Committee
 2008-2009 Member, Regional Heart Center Cardiology Documentation Work Group
 2009-2012 Member, Regional Heart Center Clinical Operations Council
 2009-2013 Member, Cardiology Fellowship Review
 2009-2010 Physician Liaison, Electrophysiology Lean Management Committee
 2009-present Physician Lead, Cardiovascular Implantable Electronic Devices Remote Monitor Implementation
 2009-2011 Member, Electrophysiology Service Development Committee
 2010-2014 Member, Regional Heart Center Hybrid Procedure Suite Development Committee
 2010-2011 Member, Northwest Hospital - UW Regional Heart Center Cardiovascular Services Project Team
 2010 Member, Regional Heart Center Health Services Manager CVPU Operations Search Committee
 2010-2011 Member, Regional Heart Center Clinical Manager CVPU Search Committee
 2011-2014 Associate Director, Clinical Cardiac Electrophysiology Program
 2013-present Physician Adoption Lead, Epic Enterprise Specialty Implementation
 2014 Chair, Search Committee for faculty position in Clinical Cardiac Electrophysiology
 2014-present Director, Clinical Cardiac Electrophysiology Fellowship Program
 2014-2016 Member, Graduate Medical Education Committee Approved Fellowship (GAF) Programs Subcommittee
 2015 Member, Search Committee, Division of Cardiology Administrator
 2015-present Member, Mentorship Committee, (b) (6)
 2015-present Member, Graduate Medical Education Faculty Evaluation Task Force

14. RESEARCH FUNDING

ACTIVE

2010 Alpha Phi Foundation Research Grant (b) (4) for "Heart Failure and Sudden Death After Myocardial Infarction: Does Female Sex Influence Outcome?"

PENDING

2015 Alpha Phi Foundation Research Grant for "The use of a 3-dimensional electrophysiologic mapping simulator to improve electrophysiology training and quality of care".

INACTIVE

2012 Locke Fund (b) (4) for "Socioeconomic and Life Course Risks for Atrial Fibrillation: Investigation of a Nationally Representative Sample".

15. BIBLIOGRAPHY

a) PEER-REVIEWED PUBLICATIONS

1. Niimura H, **Patton KK**, (co-first authors), McKenna W, Soultis J, Maron BJ, Seidman JG, Seidman CE. Sarcomere protein gene mutations in hypertrophic cardiomyopathy of the elderly. *Circulation*. 2002 Jan;105(4):446-51. PMID: 11815426.
2. MacNeill BD, Harding SA, Bazari H, **Patton KK**, Colon-Hernandez P, DeJoseph D, Jang IK. Prophylaxis of contrast-induced nephropathy in patients undergoing coronary angiography. *Catheter Cardiovasc Interv*. 2003 Dec; 60(4):458-61. PMID: 14624421.
3. **Patton K**, Reddy VY. Optimizing the defibrillation vector with a right-sided implantable cardioverter-defibrillator. *Heart Rhythm*. 2004 Dec; 1(6):756. PMID: 15851253.
4. Ellinor PT, Moore RK, **Patton KK**, Ruskin JN, Pollack MR, MacRae CA. Mutations in the long QT gene, KCNQ1, are an uncommon cause of atrial fibrillation. *Heart*. 2004 Dec; 90(12):1487-8. PMID: 15547041. PMCID:1768565
5. Ellinor PT, Low AF, **Patton KK**, Shea MA, MacRae CA. Discordant atrial natriuretic peptide and brain natriuretic peptide levels in lone atrial fibrillation. *J Am Coll Cardiol*. 2005 Jan; 45(1):82-6. PMID: 15629379.
6. **Patton KK**, Page, RL. New-onset paroxysmal atrial fibrillation: is permanence inevitable? *Am Heart J*. 2005 March; 149(3):388-90. PMID: 15864226.
7. **Patton KK**, Zacks ES, Chang JY, Shea MA, Ruskin JN, MacRae CA, Ellinor PT. Clinical subtypes of lone atrial fibrillation. *PACE*. 2005 July; 28(7):630-8. PMID: 16008797.
8. Ellinor PT, Low A, **Patton KK**, Shea MA, MacRae CA. C-Reactive protein in lone atrial fibrillation. *Am J Cardiol*. 2006 May;97(9):1346-50. PMID: 16635609.
9. **Patton KK**, Page RL. Pharmacological therapy of atrial fibrillation. *Expert Opin Investig Drugs*. 2007 Feb;16(2):169-79. PMID: 17243937.
10. Das S, Neuzil P, Albert CM, D'Avila A, Mansour M, Mela T, Ellinor PT, Singh J, **Patton K**, Ruskin JN, Reddy VY. Catheter ablation of peri-AV nodal atrial tachycardia from the noncoronary cusp of the aortic valve. *J Cardiovasc Electrophysiol*. 2008 Mar;19(3):231-7. PMID: 18031512.
11. **Patton KK**, Levy M, Viswanathan MN. Atrial lead dysfunction: an unusual feature of hypothyroidism. *PACE*. 2008 Nov; 31(12):1650 - 1652. PMID: 19067822.
12. Prutkin JM, **Patton KK**. Ventricular tachycardia in a patient with inclusion-body myositis. *Pacing Clin Electrophysiol*. 2009 Dec; 32(12):e36-9. [Epub.] PMID: 19744271.
13. **Patton KK**, Ellinor PT, Heckbert SR, Christenson RH, DeFilippi C, Gottdiener JS, and Kronmal RA. N-terminal pro-B-type natriuretic peptide is a major predictor of the development of atrial fibrillation: The Cardiovascular Health Study. *Circulation*. 2009 Nov; 120(18):1768-1774. PMID: 19841297.
14. Do R, **Patton KK**. Cardiovascular implantable electronic devices in athletes. *Cardiovasc Ther*. 2010 Oct; 28(5):327-36. doi: 10.1111/j.1755-5922.2010.00162.x. Epub 2010 Jun 11.. PMID: 20553287.
15. **Patton KK**. The riddle of nonsustained ventricular tachycardia and sudden cardiac death. Are we approaching a solution? *Circulation*. 2010 Aug;122(5):449-51. PMID: 20644012.
16. Glymour MM, Maselko J, Gilman S, **Patton KK**, Avendano M. Depressive symptoms predict incident stroke independently of memory impairments. *Neurology*. 2010 Dec;75(23):2063-70. PMID: 21135381.
17. **Patton KK**, Sotoodehnia N, DeFilippi C, Siscovick DS, Gottdiener JS, Kronmal RA. N-terminal pro-B-type Natriuretic Peptide is Associated with Sudden Cardiac Death Risk: the Cardiovascular Health Study. *Heart Rhythm*. 2011 Feb; 8(2):228-33. PMID: 21044699.
18. **Patton KK**, Benjamin EJ, Kosheleva A, Curtis LH, Glymour MM. Early-Life Antecedents of Atrial Fibrillation: Place of Birth and Atrial Fibrillation-Related Mortality. *Ann Epidemiol*. 2011 Oct; 21(10):732-8. PMID: 21798760. PMCID: 3166377.
19. Glymour MM, Yen JJ, Kosheleva A, Moon JR, Capistrant BD, **Patton KK**. Elevated depressive symptoms and incident stroke in Hispanic, African-American, and White older Americans. *J Behav Med*. 2012 April; 35:211-220. PMID: 21656258. PMCID: 2995534.
20. Williams ES, Knapp MI, **Patton KK**. Inappropriate mode switching in a dual-chamber defibrillator system: what is the mechanism? *Circ Arrhythm Electrophysiol* 2012;5(3):e67-8. PMID: 22715242.

21. Avery CL, Sethupathy P, Buyske S, He Q, Lin DY, Arking DE, Carty CL, Duggan D, Fesinmeyer MD, Hindorff LA, Jeff JM, Klein L, **Patton KK**, Peters U, Shohet RV, Sotoodehnia N, Young AM, Kooperberg C, Haiman CA, Mohlke KL, Whitsel EA, North KE. Fine-Mapping and Initial Characterization of QT Interval Loci in African Americans. *PLoS Genet*. 2012;8:e1002870. Aug 9. PMID: 22912591. PMCID3415454.
22. Guntheroth W, Chun L, **Patton KK**, Matsushita MM, Page RL, Raskind WH. Wenckebach Periodicity at Rest That Normalizes With Tachycardia in a Family With a NKX2.5 Mutation. *Am J Cardiol*. 2012 Dec 1;110(11):164-50. PMID: 22920929.
23. Rosenberg MA, **Patton KK**, Sotoodehnia N, Karas MG, Kizer JR, Zimetbaum PJ, Chang JD, Siscovick D, Gottdiener JS, Kronmal RA, Heckbert SR, Mukamal KJ. The impact of height on the risk of atrial fibrillation: the Cardiovascular Health Study. *Eur Heart J*. 2012 Nov;33(21):2709-17 PMID: 22977225.
24. Rho RW, **Patton KK**, Poole JE, Cleland JG, Shadman R, Anand I, Maggioni AP, Carson PE, Swedberg K, Levy WC. Important differences in mode of death between men and women with heart failure who would qualify for a primary prevention implantable cardioverter-defibrillator. *Circulation*. 2012 Nov 13;126(20):2402-7. PMID: 23072904.
25. Glymour MM, Benjamin EJ, Kosheleva A, Gilsanz P, Curtis LH, **Patton KK**. Early life predictors of atrial fibrillation-related mortality: evidence from the Health and Retirement Survey. *Health and Place*. 2013 May;21:133-9. PMID: 23454734.
26. Capistrant BD, Gilsanz P, Moon JR, Kosheleva A, **Patton KK**, Glymour MM. Does the association between depressive symptoms and cardiovascular mortality risk vary by race? Evidence from the Health and Retirement Study. *Ethnicity & Disease*. 2013 Spring;23 (2):155-160. PMID: 23530295.
27. **Patton KK**, Heckbert S, Alonso A, Bahrami H, Lima JAC, Burke G, Kronmal R. N-terminal pro-B-type natriuretic peptide as a predictor of incident atrial fibrillation in the Multi-Ethnic Study of Atherosclerosis: the effects of age, sex and ethnicity. *Heart*. 2013 Oct 16. doi: 10.1136/heartjnl-2013-304724. PMID: 24131775
28. **Patton KK**, Glymour MM. "In anticipation of grief: using insights from social epidemiology to improve quality of care". *Circulation* 2013;128:2725-2728.
29. **Patton KK**, Hellkamp AS, Lee KL, Mark DB, Johnson GW, Anderson J, Bardy GH, Poole JE; SCD-HeFT Investigators. Unexpected Deviation in Circadian Variation of Ventricular Arrhythmias in the Sudden Cardiac Death in Heart Failure Trial. *J Am Coll Cardiol*. 2014;63(24):2702. PMID: 24747100.
30. Glymour MM, Clark CR, **Patton KK**. Socioeconomic Determinants of Cardiovascular Disease: Recent Findings and Future Directions. *Current Epidemiology Reports* 06/2014; 1(2).
31. Mathew JS, Sachs MC, Katz R, **Patton KK**, Heckbert SR, Hoofnagle AN, Alonso A, Chonchol M, Deo R, Ix JH, Siscovick DS, Kestenbaum B, de Boer IH. Fibroblast Growth Factor-23 and Incident Atrial Fibrillation: The Multi-Ethnic Study of Atherosclerosis (MESA) and the Cardiovascular Health Study (CHS). *Circulation*. 2014 Jun 11. PMID: 24920722
32. **Patton KK**, Poole JE. Defibrillator therapy in chronic kidney disease: is it worth it? *Circ Arrhythm Electrophysiol*. 2014 Oct; 7(5):774-6. PMID: 25336361
33. **Patton KK**, Morris A, Çoruh B, Kross E, Carlbom D, Thronson L. Teaching to Teach Procedures: A Simulation-Based Curriculum for Senior Residents or Fellows. MedEdPORTAL Publications; 2014. Available from: <https://www.mededportal.org/publication/9997> http://dx.doi.org/10.15766/mep_2374-8265.9997
34. Kamel H, Bartz TM, Longstreth WT Jr, Okin PM, Thacker EL, **Patton KK**, Stein PK, Gottesman RF, Heckbert SR, Kronmal RA, Elkind MS, Soliman EZ. Association Between Left Atrial Abnormality on ECG and Vascular Brain Injury on MRI in the Cardiovascular Health Study. *Stroke*. 2015 Mar;46(3):711-6. PMID: 25677594
35. Lingtak-Neander Chan, Yvonne S. Lin, Jessica C. Tay-Sontheimer, Dorothy Trawick, Brant K. Oelschlager, David R. Flu, **Kristen K. Patton**, Danny D. Shen, John R. Horn. Evaluating the Effect of Proximal Roux-en-Y Gastric Bypass on the Pharmacokinetics of CYP3A4 and P-glycoprotein Substrates. *Pharmacotherapy* 2015 Apr;35(4):361-9. PMID: 25757445.

36. Kearney K, Ellingson S, Stout K, **Patton KK**. From Bradycardia to Tachycardia: Complete Heart Block. *Am J Med*. 2015 Apr 23 pii: S0002-9343(15)00361-7. PMID: 25912200
37. Gilsanz P, Walter S, Tchetgen Tchetgen EJ, **Patton KK**, Moon JR, Capistrant BD, Marden JR, Kubzansky LD, Kawachi I, Glymour MM. Changes in depressive symptoms and incidence of first stroke among middle-aged and older US adults. *J Am Heart Assoc*. 2015 May 13;4(5). PMID: 25971438
38. Slotwiner D, Varma N, Akar JG, Jd GA, Beardsall M, Fogel RI, Galizio NO, Glotzer T, Leahy RA, Love CJ, McLean RC, Mittal S, Morichelli L, **Patton KK**, Raitt MH, Ricci RP, Rickard J, Schoenfeld MH, Serwer GA, Shea J, Varosy P, Verma A, Yu CM, Blanc IL. HRS Expert Consensus Statement on Remote Interrogation and Monitoring for Cardiovascular Electronic Implantable Devices. *Heart Rhythm*. 2015 May 8;12 (7). PMID: 25981148
39. Rane S, **Patton KK**. Impact of sex and ethnicity on arrhythmic risk. *Curr Cardiol Rep*. 2015 Jul;17(7):604. PMID: 26026995
40. Rosenthal DG, Bravo PE, **Patton KK**, Goldberger ZD. Management of Arrhythmias in Cardiac Sarcoidosis. *Clinical Cardiology*. 2015 Jul
41. **Patton KK**. Ejection Fraction Improvement After Primary Prevention Defibrillator Implantation: How Much Is Enough? *J Am Coll Cardiol*. 2015;66(5):532-534.

b) BOOK CHAPTERS

1. **Patton K**, Seidman CE. Genetic causes of atrial septal defects. In: *The Molecular Genetics of Cardiac Electrophysiology*. Publisher: Kluwer Academic. Eds: Berul CI & Towbin JA, 1999.
2. Ravindran BK, Kenyon K, **Patton KK**. Antiarrhythmics for Interventional Cardiologists. In: *SCAI Interventional Cardiology Board Review*. Publisher: Lippincott Williams & Williams. Eds: Kern MJ; Berger PB, 2006.
3. **Patton KK**. Arrhythmia Section; American College of Physicians Medical Knowledge Self-Assessment Program (MKSAP) 15. 2009.
4. **Patton KK**, Page RL. Arrhythmias in Pregnancy and Postpartum. In: *Management of Cardiac Arrhythmias*. 2nd Ed. Publisher: Humana Press. Eds: Yan G-X, and Kowey PR, 2011, 339-54.
5. **Patton KK**. Disorders of Sinus and AV Conduction. In: *ACCSAP Version 8, Adult Clinical Cardiology Self-Assessment Program*. Publisher: American College of Cardiology Foundation. Ed: Patrick T. O’Gara, 2012.
6. Williams ES, **Patton KK**. Transvenous Temporary Pacemaker. In: *Surgical Council on Resident Education (SCORE peer reviewed web portal)*, 2013.
7. Williams ES, **Patton KK**. Cardiac Pacing. In: *Surgical Council on Resident Education (SCORE peer reviewed web portal)*, 2014.

c) PUBLISHED BOOKS, VIDEOS, SOFTWARE, ETC.

1. Website for TEAM-A - The Evolution of Anticoagulation Management. Clinician Education to Prevent Stroke in Patients with Atrial Fibrillation. <http://www.teamanticoag.com/>
2. ACCEL Audio Interview: “Indications for Pacing – single lead, biventricular, ICD: Making Sense of the Guidelines”. January 14, 2014.

d) OTHER PUBLICATIONS

1. Prutkin JM, **Patton KK**. Response. *Pacing Clin Electrophysiol* 2010 Jan;33(1):123; author reply 123. PMID: 19954499.
2. **Patton KK**, Hellkamp AS, Lee KL, Mark DB, Johnson GW, Anderson J, Bardy GH, Poole JE; SCD-HeFT Investigators. Reply: Circadian Variations of Ventricular Arrhythmias and Sleep-Disordered Breathing in HF Patients. *J Am Coll Cardiol*. 2014;64(18):1968.

e) MANUSCRIPTS SUBMITTED

1. (b) (4) **Kristen K. Patton, MD.** (b) (4), submitted May, 2015 (b) (4).

f) ABSTRACTS, POSTER PRESENTATIONS, AND EXHIBITS

1. **Patton K**, Niimura H, Soultis J, McKenna W, Maron B, Seidman J, Seidman C. Sarcomere protein gene mutations: A frequent cause of elderly-onset hypertrophic cardiomyopathy. *Circulation* 2000; 102(18) (Suppl):II-178. Oral presentation AHA 2000.
2. **Patton K**, Zacks E, Chang J, Melo K, Ruskin JN, MacRae CA, Ellinor PT. Morbidity of lone atrial fibrillation. *PACE* 2003; 26 (Part II): 1115. Poster presentation NASPE 2003.
3. Ellinor PT, Moore RK, **Patton KK**, Ruskin JN, MacRae CA. Mutations in KCNQ1 are an uncommon cause of atrial fibrillation. *Circulation* 2003; 108 (17)(Suppl):IV-182. Poster presentation AHA 2003.
4. Reddy VY, Neuzil P, **Patton K**, Ellinor P, Mela T, d'Avila A, Ruskin JN. Catheter ablation of peri-AV nodal atrial tachycardia from the non-coronary cusp of the aortic valve. Poster presentation NASPE 2004.
5. **Patton KK**, Poole JE, Gold MR, Wang T, Johnson GW, Hellkamp AS, Anderson J, Callans DJ, Raitt MH, Reddy RK, Marchlinski FE, Yee R, Guarnieri T, Wilber DJ, Talajic M, Mark DB, Lee KL, Bardy GH, for the SCD-HeFT Investigators. Circadian variation of ventricular arrhythmias in the Sudden Death in Heart Failure Trial. Poster presentation at Heart Rhythm Society 2006 Scientific Sessions, Boston, MA, May 17-20, 2006.
6. **Patton KK**, Poole JE, Gold MR, Wang T, Johnson GW, Hellkamp AS, Anderson J, Callans DJ, Raitt MH, Reddy RK, Marchlinski FE, Yee R, Guarnieri T, Wilber DJ, Talajic M, Mark DB, Lee KL, Bardy GH, for the SCD-HeFT Investigators. Septadian variation of ventricular arrhythmias in the Sudden Death in Heart Failure Trial. Poster presentation at Heart Rhythm Society 2006 Scientific Sessions, Boston, MA, May 17-20, 2006.
7. **Patton KK**, Ellinor PT, Heckbert SR, Christenson RH, DeFilippi C, Gottdiener JS, and Kronmal RA. N-terminal pro-B-type Natriuretic Peptide is a Major Predictor of the Development of Atrial Fibrillation: The Cardiovascular Health Study. Poster presentation at Heart Rhythm Society 2009 Scientific Sessions, Boston, MA, May 13-16, 2009.
8. Rho RW, **Patton KK**, Poole J, Wayne C, Levy WC. Effect of Gender on Sudden and Pump Failure Death in 8,927 Heart Failure Patients. PO1-92 Poster presentation at Heart Rhythm Society 2010 Scientific Sessions, Boston, MA, May 12, 2010.
9. **Patton KK**, Sotoodehnia N, Siscovick DS, DeFilippi C, Gottdiener JS, Kronmal RA. N-terminal pro-B-type Natriuretic Peptide Predicts Sudden Cardiac Death Risk: the Cardiovascular Health Study. PO5-117 Poster presentation at Heart Rhythm Society 2010 Scientific Sessions, Boston, MA, May 14, 2010.
10. Glymour MM, Moon JR, Capistrant B, **Patton KK**. Depressive Symptoms and Incident Stroke in Hispanic, Black, and White Older Americans. Poster presentation at the American Heart Association Scientific Sessions, Chicago, IL, November 13-17, 2010.
11. **Patton KK**, Dickstein K, Kjekshus J, Levy WC. Heart Failure and Sudden Death after Myocardial Infarction: Does Female Sex Influence Outcome? Poster presentation at ACC.11, New Orleans, LA, April 2, 2011.
12. Glymour MM, Kronmal RA, Longstreth W, Fitzpatrick A, Gilsanz P, **Patton KK**. Associations Between Cranial Magnetic Resonance Imaging and Electrocardiographic Findings. Poster presentation at the 2011 3rd North American Congress of Epidemiology. Montreal Canada, June 23, 2011.
13. **Patton KK**, Glymour MM, Longstreth W, Fitzpatrick A, & Kronmal RA. Cranial Magnetic Resonance Imaging Findings and Incident Electrocardiographic Abnormalities. Poster presentation at the 2011 3rd North American Congress of Epidemiology. Montreal Canada, June 23, 2011.
14. Gilsanz P, **Patton KK**, Glymour MM. Does Resolution of Depressive Symptoms Attenuate Stroke Risk? Poster presentation at the Gerontological Society of America, Boston, MA, November 18, 2011.
15. Gilsanz P, **Patton KK**, Glymour MM. Depressive Symptom Persistence, Psychiatric Medication Use, and Stroke Risk. Poster presentation at the Society of Epidemiological Research, Minneapolis, MN, June 28, 2012.

16. Gilsanz P, Walter S, **Patton KK**, Moon JR, Capistrant B, Daniel J, Kubzansky L, Ichiro Kawachi I, Glymour MM. Remitted Depressive Symptoms and Subsequent Stroke Risk: Contrasting Marginal Structural Models and Conventional Models. Poster presentation at the Society of Epidemiological Research. Boston MA, June 20, 2013.
17. Link MS, Sullivan RM, Olshansky B, Cannom D, Berul CI, Hauser RG, Heidebuchel H, Jordaens L, Krahn AD, Morgan J, **Patton KK**, Saarel EV, Wilkoff BL, Li F, Dzuira J, Brandt C, Barth C, Lampert R. ICD Lead Performance in Athletes: Results of a Prospective Multinational Registry. Oral Abstract Presentation at the American Heart Association Scientific Sessions, Denver, CO, November 18, 2013.
18. Jordan M. Prutkin, MD, FHRS, Lyle Larson, PhD, Mohan N. Viswanathan, MD, Jeanne E. Poole, MD and **Kristen K. Patton, MD**. Successful SICD Defibrillation Despite Variable Coil Positions. Poster Presentation at Heart Rhythm Society Scientific Session, San Francisco, CA, May 10, 2014.
19. Rajat Deo, Faye Lopez, Ronit Katz, Selcuk Adabag, Lin Y Chen; Christopher R deFilippi, Aaron R Folsom, Susan R Heckbert, Bryan R Kestenbaum, Suma Konety, Richard A Kronmal, **Kristen K Patton**, David Siscovick, Nona Sotoodehnia, Michael G Shlipak, Alvaro Alonso. Predicting Sudden Cardiac Death in the General Population: Analysis of the Atherosclerosis Risk in Communities Study and the Cardiovascular Health Study. Poster Presentation at American Heart Association Scientific Sessions, Chicago, IL, November 18, 2014.
20. Benjamin A. D'Souza, MD, Yuli Y. Kim, MD, Martin Burke, DO, John M. Morgan, MD, Angel R. Leon, MD, **Kristen K. Patton, MD**, Sharad C. Agarwal, MD, Fermin C. Garcia, MD, Peter H. Belott, MD, FHRS, Andrew E. Epstein, MD, FHRS and Maully J. Shah, MBBS, FHRS. Outcomes in Patients with Congenital Heart Disease receiving the Subcutaneous Implantable Defibrillator (S-ICD): Results from a Pooled Analysis from the IDE Study and EFFORTLESS – Registry. Poster Presentation at the Heart Rhythm Society Scientific Session, Boston, MA, May 14, 2015.
21. D'Souza, Benjamin A. MD, Kim, Yuli Y. MD, Burke, Martin, DO, Morgan, John M. MD, Leon, Angel R. MD, **Patton, Kristen K. MD**, Agarwal, Sharad C. MD, Belott, Peter H. MD, Epstein, Andrew E. MD, FHRS, and Shah, Maully J. MBBS, FHRS. Prevalence of subcutaneous implantable defibrillator (S-ICD) complications in patients with congenital heart disease: results from a pooled analysis from the IDE Study and EFFORTLESS – Registry. “Best Abstracts” Poster Presentation at Europace, June 21, 2015.

16. OTHER

National Scientific Sessions Session Chair:

1. Heart Rhythm Society Scientific Sessions 2008, Core Curriculum Session “Uncharted Waters of Device Therapy.” Chair, San Francisco, CA, May 15, 2008.
2. Heart Rhythm Society Scientific Sessions 2009, Core Curriculum Session “Inappropriate Sinus Tachycardia, POTS and Syncope”, Chair, Boston, MA, May 15, 2009.
3. American Heart Association Scientific Sessions 2009, Abstract Oral Session, “Ventricular Arrhythmias: Brugada, ARVD/C and Others”, Moderator, Orlando, FL, November 18, 2009.
4. American Heart Association Scientific Sessions 2011, Abstract Oral Session, “New insights in atrial fibrillation”, Moderator-Discussant, Orlando, FL, November 14, 2011.
5. American College of Cardiology ACC.12, Abstract Oral Session Chair, “Cardiac MRI for the Treatment and Evaluation of Arrhythmias”, Chicago, IL, March 25, 2012.
6. Heart Rhythm Society Scientific Sessions 2012, Core Curriculum Session, “ICD implantation: Staying within the Guidelines.” Chair, Boston, MA, May 9, 2012.
7. American College of Cardiology ACC.13 Scientific Sessions. Meet the Experts. “Management of Asymptomatic Arrhythmias Noted on the ECG or Other Monitoring.” Chair, San Francisco, CA. March 11, 2013.
8. Heart Rhythm Society 2013. Abstracts Plus Session, “Atrial Fibrillation Mechanisms and Ablation”, Chair, Denver, CO, May 10, 2013.
9. American Heart Association Scientific Sessions 2013, “Enhancing Response to Resynchronization Therapy”, Moderator, Dallas, TX, November 19, 2013.

10. American College of Cardiology Foundation Snowmass Conference. Arrhythmias/Pacing/Devices Workshop. Snowmass, CO, January 14, 2014.
11. American Heart Association Scientific Sessions 2014, “Advances in CIED Therapy and Lead Management”, Moderator, Chicago, IL, November 16, 2014.
12. American Heart Association Scientific Sessions 2014, “New Technologies in Pacing and Defibrillation”, Moderator, Chicago, IL, November 16, 2014.
13. American Heart Association Scientific Sessions 2015, “Arrhythmias Research Summit”, Co-Chair, Orlando, FL, November 9, 2015.

Invited Lectures/Presentations National Sessions:

1. Heart Rhythm Society Scientific Sessions 2009, Core Curriculum Session, Antiarrhythmic Drug Therapy for AF: Current Agents and Future Promise; “Currently Available Antiarrhythmic Agents”, Boston, MA, May 15, 2009.
2. Heart Rhythm Society Scientific Sessions 2011, Core Curricula 156: Implantable Cardioverter Defibrillators in Special Groups: Gender, Race, Renal Failure, and the Elderly, Presentation: “ICDs in Older Patients: Safety and Clinical Benefit”. San Francisco, CA, May 5, 2011.
3. American College of Cardiology Foundation, Cardiovascular Board Review Program Study Section for Maintenance of Certification, “ABIM Cardiovascular Disease Updates 2010 and 2011”, Chicago, IL, September 10, 2011.
4. American Heart Association Scientific Sessions 2011, Abstract Oral Session, “New insights in atrial fibrillation”, Moderator-Discussant, Orlando, FL, November 14, 2011.
5. American College of Cardiology ACC.12 Scientific Sessions, Pharmacology Panel, “Pharmacologic Considerations with Antiarrhythmic Drugs”, Panelist, Chicago, IL, March 24, 2012.
6. American College of Cardiology ACC.12 Scientific Sessions, Moderated Poster Session, “New Insights in Electrocardiography and Syncope”, Poster Discussant, Chicago, IL, March 26, 2012.
7. American College of Cardiology Foundation Study Section for Maintenance of Certification, “ABIM Recertification Made Easy—Clinical Cardiac Electrophysiology, 2010 Update”, Chicago, IL, March 26, 2012.
8. Heart Rhythm Society Scientific Sessions 2012, Core Curriculum Session, “Staying within the guidelines – What’s in a name?” Boston, MA, May 9, 2012.
9. American College of Physicians Internal Medicine Board Review Course: “Arrhythmias”, Seattle, WA, July 27, 2012.
10. American College of Cardiology Arrhythmias in the Real World Conference: “The Role of Implantable Monitors for Heart Failure”, Washington DC, September 7, 2012.
11. American College of Cardiology Arrhythmias in the Real World Conference: “An approach to CRT non-responders”, Washington DC, September 7, 2012.
12. American College of Cardiology Arrhythmias in the Real World Conference: “Challenging CRT Cases”, Washington DC, September 8, 2012.
13. American College of Cardiology ACC.13 Scientific Sessions. Meet the Experts. “Managing Atrial Fibrillation In The Patient Who Is A Candidate for Mitral Valve Surgery But Remains AF.” San Francisco, CA. March 10, 2013.
14. American College of Cardiology ACC.13 Scientific Sessions. Meet the Experts. “Inherited Channelopathies/Electrical Abnormalities.” San Francisco, CA. March 10, 2013.
15. American College of Cardiology ACC.13 Scientific Sessions. Lifelong Learning. “ACCF Study Session for Maintenance of Certification: ABIM Recertification Made Easy-- Clinical Cardiac Electrophysiology 2011 Update.” Faculty. San Francisco, CA. March 11, 2013.
16. Best of ACC.13: Take Home Messages for the Clinician Faculty. Session IV: “Arrhythmias.” Faculty. Boston, MA. April 26, 2013.
17. Heart Rhythm Society Scientific Sessions 2013, Mini-Course ICD Implant Complications and Reducing Risk. “Risks of Defibrillation Testing: Is it Worth It?”. Denver, CO. May 8, 2013.
18. Multi-Ethnic Study of Atherosclerosis Steering Committee Meeting, “BNP, AF and Race – What can MESA tell us?” Silver Spring, MD, October 7, 2013.

19. Transcatheter Cardiovascular Therapeutics Conference, Pharmacological and Interventional Options for Stroke Prevention in Atrial Fibrillation: "Aspirin Dead, Warfarin still Alive", San Francisco, CA, October 29, 2013.
20. American College of Cardiology Foundation, Snowmass Conference, "Indications for Pacing, single, biventricular, or defibrillation: making sense of the guidelines", Snowmass, CO, January 14, 2014.
21. American College of Cardiology Foundation Snowmass Conference. Heart Failure/ Cardiomyopathies Case Presentations. Panel member. Snowmass, CO, January 12, 2014.
22. American College of Cardiology ACC.14 Scientific Sessions: Case-Based Learning: Practical ECG Interpretation, "Narrow Complex Tachycardias", March 29, 2014.
23. American College of Cardiology ACC.14 Scientific Sessions: Case-Based Learning: Pregnancy and Heart Disease, Panel Member. March 31, 2014.
24. Best of ACC.14: Take Home Messages for the Clinician Faculty. Session VI: "Arrhythmias/Clinical EP." Faculty. Los Angeles, CA. April 26, 2014.
25. Best of ACC.14: Take Home Messages for the Clinician Faculty. Session VI: "Arrhythmias/Clinical EP." Faculty. Chicago, IL. May, 10, 2014.
26. American Heart Association Scientific Sessions: "My Story: A Panel Discussion on the Different Types of EP Career Options - Part 2: Epidemiology and Observational Studies Perspective", Panel Member, Chicago, IL, November 15, 2014.
27. American Heart Association Scientific Sessions: Nonsustained Ventricular Tachycardia: New Insights for Risk Stratification and Management, "Nonsustained VT Early After Myocardial Infarction", Faculty, Chicago, IL, November 18, 2014.
28. American College of Cardiology ACC.15 Scientific Sessions: Strategies for Rate and Rhythm Control in Core Curriculum: Atrial Fibrillation: The Essentials. March 16, 2015.
29. Heart Rhythm Society Scientific Sessions 2015, "Treating an ICD-Dependent Patient with Pocket Infection", in "Successful Treatment of Three Patients with Device Issues, a Case Based Tutorial". Faculty, Boston, MA, May 14, 2015.

Invited Lectures/Presentations Local/Regional Sessions:

1. American College of Physicians, Cardiovascular Update for the Primary Care Provider Continuing Medical Education, "Treatment of Supraventricular Tachycardias", Seattle, WA, April 28, 2006.
2. American College of Physicians Washington Chapter Continuing Medical Education, "Managing Difficult Arrhythmias", Seattle, WA, November 2, 2006.
3. Anesthesiology Department Grand Rounds "Perioperative Cardiac Rhythm Device Management", December 12, 2006.
4. University of Washington Anesthesiology Department Grand Rounds "Perioperative Cardiac Rhythm Device Management", December 12, 2006.
5. Cardiovascular Health Study Steering Committee Meeting, "B-type Natriuretic peptide: Magic marker for atrial fibrillation?" Denver, CO, March 13, 2008.
6. American College of Physicians Internal Medicine Board Review course: "Arrhythmias", Seattle, WA, July 18, 2008.
7. University of Washington, Continuing Medical Education: Practical Pearls in Cardiac Arrhythmia Management, "Syncope: When is a faint not simple?" Seattle, WA, November 15, 2008.
8. University of Washington, "Current Concepts in Drug Therapy" Continuing Medical Education; "Antiarrhythmic Drugs", Seattle, WA, May 7, 2009.
9. American College of Physicians Internal Medicine Board Review course: "Arrhythmias", Seattle, WA, July 17, 2009.
10. University of Washington "37th Annual Advances in Family Practice and Primary Care" Continuing Medical Education; "Drugs for Rate and Rhythm control in Atrial Fibrillation", Seattle, WA, September 14, 2009.
11. Division of Cardiology Grand Rounds, "Emerging Concepts in Atrial Fibrillation: Prediction and Prevention", November 20, 2009.

12. American College of Physicians Internal Medicine Board Review Course: "Arrhythmias", Seattle, WA, July 20, 2010.
13. Yakima County Medical Society, Cardiac Issues Conference, "Atrial Fibrillation - Getting "In-Sync" with the Rhythm", Yakima, Washington, October 6, 2010.
14. Yakima County Medical Society, Cardiac Issues Conference, "Stroke Prevention in Atrial Fibrillation - Traditional vs. Novel Approaches", Yakima, Washington, October 6, 2010.
15. Yakima County Medical Society, Cardiac Issues Conference "Arrhythmias on the Telemetry Floor: Diagnosis and Management", Yakima, Washington, October 6, 2010.
16. Red Dress Gala, Alpha Phi Foundation, "Women and Sudden Death", Seattle, WA, February 12, 2011.
17. Department of Medicine Administrative Meeting: "The Teaching Portfolio: the Electronic Version", University of Washington, February 14, 2011.
18. American College of Physicians Internal Medicine Board Review Course: "Arrhythmias", Seattle, WA, July 22, 2011.
19. Alpha Phi Sorority, "Cardiovascular Disease in Women", Seattle, WA, November 21, 2011.
20. University of Washington, Continuing Medical Education: Clinical Cardiology Pearls for Primary Care Providers. "New Anticoagulants for Atrial Fibrillation", Seattle, WA, May 4, 2012.
21. University of Washington ALL-WWAMI Academic Retreat for Education (AWARE). "Teaching and Learning Methods: An Interactive Workshop". With Lynne Robbins, PhD. Seattle, WA, June 3, 2012.
22. University of Washington "40th Annual Advances in Family Practice and Primary Care CME". "Atrial Fibrillation and Stroke, the paradox of choice", Seattle, WA, September 11, 2012.
23. Tacoma Cardiovascular Group, "The S-ICD", Tacoma, WA, November 14, 2012.
24. University of Washington Continuing Medical Education: Cardiovascular Care Update 2013. "Sudden Cardiac Death and the Subcutaneous ICD", Seattle, WA, February 14, 2013.
25. Seattle Children's Arrhythmia Program: "The Subcutaneous ICD", Seattle, WA, February 27, 2013.
26. University of Washington Continuing Medical Education: Current Concepts in Drug Therapy. "Update in Atrial Fibrillation: Rate, Rhythm, Anticoagulation", Seattle, WA, March 7, 2013.
27. Northwest Women in EP: "Future Shock: what's here and coming soon in ICD therapy?" Wenatchee, WA, April 20, 2013.
28. Highline Cardiology, "The Subcutaneous ICD – who and how to implant", Seattle, WA, April 24, 2013.
29. University of Washington, Continuing Medical Education: Clinical Cardiology Pearls for Primary Care Providers. "Evaluation of Palpitations", Seattle, WA, May 3, 2013.
30. American College of Physicians Internal Medicine Board Review Course: "Arrhythmias", Seattle, WA, July 19, 2013.
31. American College of Physicians Internal Medicine Board Review Course: "Arrhythmias", Faculty, Seattle, WA, July 25, 2014.
32. University of Washington GME 102: New Program Director & Administrator Orientation. "Feedback: Teaching Faculty to Give It & Residents to Seek It". January 16, 2015.
33. Alpha Phi Foundation Red Dress Gala, "Use of a 3-D Printed Heart Model to Improve Medical Training and Quality of Care", Seattle, WA, March 7, 2015.
34. University of Washington Center for Leadership and Innovation in Medical Education, "Assessment *of*, and *with*, a Simulator Tool for Intracardiac Mapping", Seattle, WA, March 10, 2015.
35. University of Washington School of Medicine Doc Talks 2015 Reunion Weekend. "The Heart, Revealed", Seattle, WA, June 6, 2015.
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37. (b) (4)
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University of Washington Teaching Sessions:

1. Cardiology Division Fellows Electrocardiogram Series, "The Atrioventricular Node", July 22, 2004.
2. Electrophysiology Lecture Series, "Introduction to the Electrophysiology Study" August 3, 2004.
3. Electrophysiology Lecture Series, "Introduction to Pacing Maneuvers", August 17, 2004.
4. Cardiology Division Fellows Lecture Series, "Basic Pacing", September 10, 2004.
5. Electrophysiology Lecture Series, "Genetics of Long QT", October 5, 2004.
6. Electrophysiology Lecture Series, "The Transseptal Puncture" March 8, 2005.
7. Electrophysiology Lecture Series, "Sudden Cardiac Death" June 14, 2005.
8. Internal Medicine Residency Core Lecture Series, "Tachyarrhythmias" September 26, 2005.
9. Electrophysiology Lecture Series, "Atrial Fibrillation Radiofrequency Ablation" November 22, 2005.
10. Children's Hospital/University of Washington combined Adult Congenital Heart Disease Conference, "Implantable Cardioverter Defibrillators in Hypertrophic Cardiomyopathy" February 16, 2006.
11. Cardiology Division Fellows Lecture Series, "Supraventricular Tachycardia", March 10, 2006.
12. Electrophysiology Lecture Series, "Hypertrophic Cardiomyopathy", May 2, 2006.
13. Cardiology Division Fellows Lecture Series, "Introduction to Pacemakers", July 23, 2006.
14. Cardiology Division Fellows Lecture Series, "Introduction to Defibrillators", August 21, 2006.
15. Electrophysiology Lecture Series, "Supraventricular Tachycardia and the Electrophysiology Lab (maneuvers)", September 26, 2006.
16. Electrophysiology Lecture Series, "The Electrophysiology study and the transeptal puncture", December 5, 2006.
17. Electrophysiology Lecture Series, "Electromagnetic Interference", February 6, 2006.
18. Cardiology Division Fellows Lecture Series, "Genetics of Cardiac Arrhythmias", March 30, 2007.
19. Cardiology Division Fellows Lecture Series, "Specific Arrhythmias – Nodal", May 11, 2007.
20. Electrophysiology Lecture Series, "Wolff-Parkinson-White Syndrome", May 22, 2007.
21. Electrophysiology Lecture Series, "SVT Maneuvers Part II", August 14, 2007.
22. Division of Cardiology Research Conference, "Clinical Trials Vignettes", August 9, 2007.
23. Electrophysiology Lecture Series, "Diagnosis of SVT in the EP Lab – Maneuvers", September 11, 2007.
24. Electrophysiology Lecture Series, "Long QT Syndrome", February 12, 2008.
25. Electrophysiology Lecture Series, "Supraventricular Tachycardia: Electrophysiology Study", July 29, 2008.
26. Electrophysiology Lecture Series, "Supraventricular Tachycardia: Maneuvers", September 16, 2008.
27. Division of Cardiology Fellows Lecture Series, "Diagnosis of Cardiac Arrhythmias", February 20, 2009.
28. Electrophysiology Lecture Series, "Supraventricular Tachycardia: the Atrioventricular Node and Slow Pathway Ablation", September 1, 2009.
29. Electrophysiology Lecture Series, "Update on Long QT syndrome", June 7, 2010.
30. Division of Cardiology Fellows Lecture Series, "EP Exigencies", August 6, 2010.
31. Electrophysiology Lecture Series, "SVT-I: More than you wanted to know about Atrioventricular Nodal Reentrant Tachycardia", August 17, 2010.
32. Internal Medicine Resident Teaching Conference, "Arrhythmias for the Boards", September 9, 2010.
33. Division of Cardiology Fellows Lecture Series, "EP Quandaries", July 22, 2011.
34. Electrophysiology Lecture Series, "SVT-I: Atrioventricular Nodal Reentrant Tachycardia", August 9, 2011.
35. Teaching Scholars Program, "Portfolios: teaching, learning, synthesizing", October 18, 2011.
36. Harborview Medical Center Department of Medicine Chief Rounds, "Wolff-Parkinson White, or everything you always wanted to know about arrhythmias but were afraid to ask", November 1, 2011.

37. Teaching Scholars Program, "Assessment: No adult learner left behind", January 31, 2012.
38. Electrophysiology Conference, "Novel anticoagulants for stroke prevention in AF: the good, the bad, and the oozy", May 1, 2012.
39. Electrophysiology Conference, "Supraventricular Tachycardia: Observations in the EP Lab", September 4, 2012.
40. Cardiology Division Research Conference, "Social Determinants of Atrial Fibrillation", November 13, 2012".
41. Internal Medicine Resident Conference, "Supraventricular Tachycardias", April 1, 2013.
42. Division of Cardiology Fellows Lecture Series, "Diagnosis and Management of Supraventricular Tachycardias", May 3, 2013.
43. Electrophysiology Conference, "SVT – how to maneuver around a diagnostic obstruction; Part I", August 20, 2013.
44. Electrophysiology Conference, "SVT – how to maneuver around a diagnostic obstruction; Part II", September 4, 2013.
45. Division of Cardiology Fellows Lecture Series, "Pacing and Defibrillation – How many leads do you need?" October 11, 2013.
46. Electrophysiology Conference, "Defibrillation Testing: is it worth the risks?" February 9, 2014.
47. 4S Nursing unit, "Heart block and telemetry – when to worry". April 28, 2014.
48. Electrophysiology Conference, "Maneuvers in the EP lab Part I", August 19, 2014.
49. Electrophysiology Conference, "Maneuvers in the EP lab Part II", August 26, 2014.
50. 4S Nursing Education Day, "The 1-2-3 of CIEDs". September 22, 2014, and September 29, 2014.
51. Electrophysiology Conference, "Nonsustained Ventricular Tachycardia after Myocardial Infarction – what does it mean and when should you care?", December 16, 2014.
52. Division of Cardiology Fellows Lecture Series, "CIEDs in 2014: Who should get which device?", December 19, 2014.
53. Division of Cardiology Research Conference, "Assessment in Electrophysiology". January 14, 2015.
54. UWMC EpicCare Optimization Meeting, "Specialty Workgroup Update", February 9, 2015.
55. UW Teaching Scholars Program, "Life after Teaching Scholars". Panel Member. April 14, 2015.
56. HMC Chief of Medicine Conference, "Palpitations – is WPW the reason?", April 14, 2015.
57. Electrophysiology Conference, "Introduction to Electrophysiology", July 7, 2015.